



# DeWalt DW660 Motor Brushes Replacement

This is a simple and easy guide that will explain how to replace the brushes in your device's motor.

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## INTRODUCTION

The motor inside the DW660 uses two carbon brushes which transfer electricity to the rotor by sliding over the copper commutator. The brushes wear out over time with regular use, so they will eventually need to be replaced.

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### TOOLS:

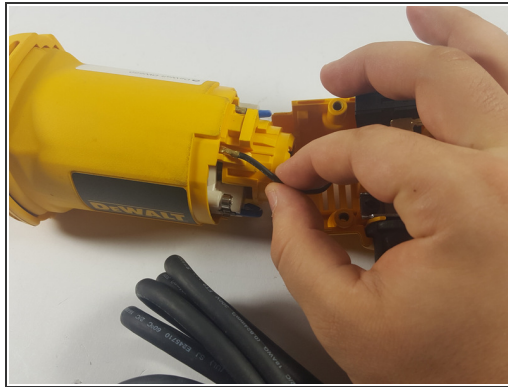
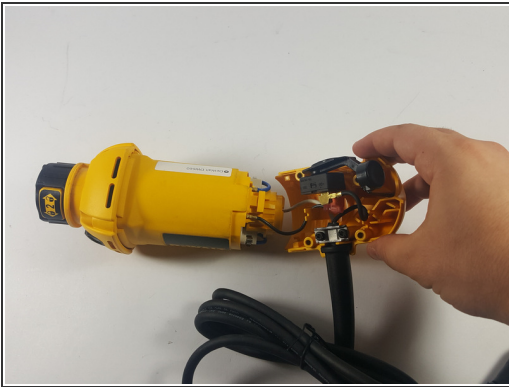
- [T20 Torx Screwdriver](#) (1)
  - [Metal Spudger](#) (1)
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## Step 1 — Motor Brushes



- Remove the four 19mm T20 Torx screws at the rear of the device.

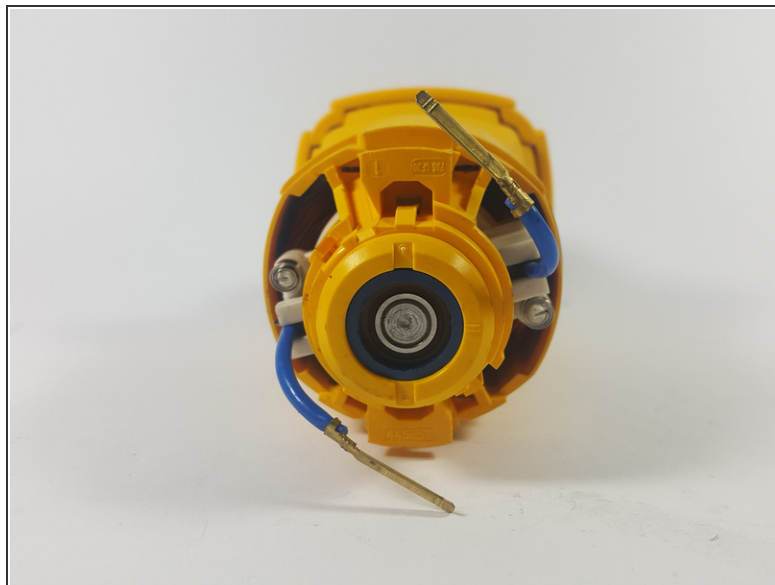
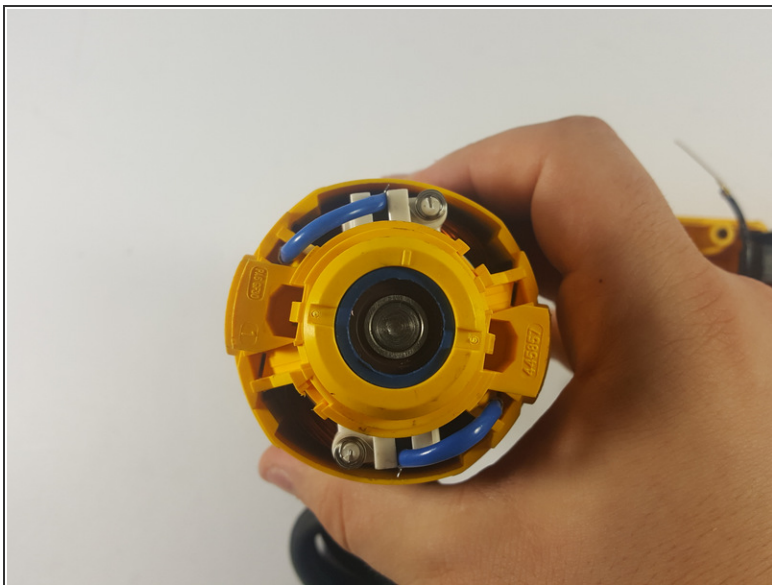
## Step 2



- Remove the other part of the back casing.
- Unplug the black and white power wires from the motor.



### Step 3



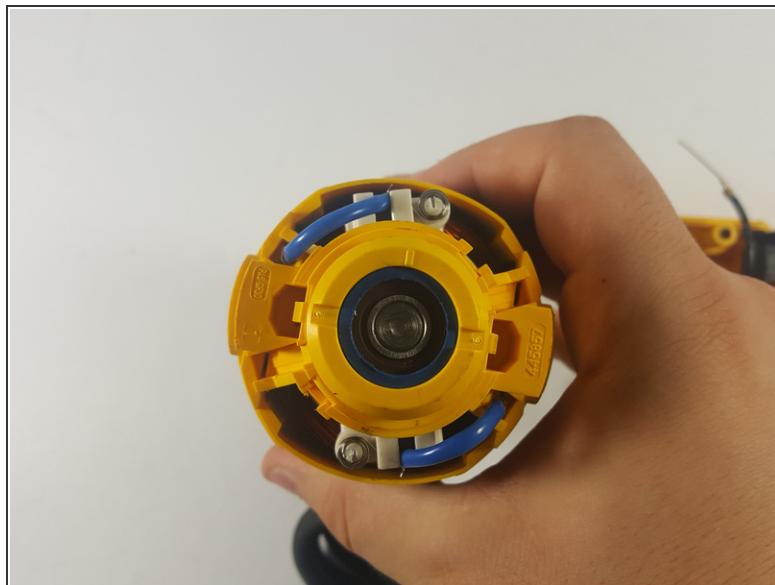
- Pinch the blue brush wire between two fingers.
- Pull on the wire, removing them from the motor.

### Step 4





- Using the metal spudger, lift up the coil spring that holds the carbon brushes in place.
- While the spring is lifted up, remove the carbon brush by simply sliding it out of the slot.

## Step 5



- Repeat steps 3 and 4 to remove the other carbon brush.

 When installing the new carbon brushes, make sure each brushes' lead wire is plugged into opposite ends of the motor.

 Refer to the photos for visual assistance.

To reassemble your device, follow these instructions in reverse order.

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